

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34239

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>														
IPC(7) : A61F 5/00,13/00,5/37; A61L 15/00; A41D 13/08; B29D 22/00; B32B 3/02, 5/16														
US CL : 602/20,1,3,5,41,60,14,7,21,22,62,63,64,75; 128/878,879,880; 2/16; 428/36.1,36.9,329,79														
According to International Patent Classification (IPC) or to both national classification and IPC														
<b>B. FIELDS SEARCHED</b>														
Minimum documentation searched (classification system followed by classification symbols)														
U.S. : 602/20,1,3,5,41,60,14,7,21,22,62,63,64,75; 128/878,879,880; 2/16; 428/36.1,36.9,329,79														
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched														
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)														
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>														
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.												
X	US 5,807,291 A (LARSON et al) 15 September 1998 (15.09.1998), See column 14, lines 5-64, Figure 3.	10, 11, 13												
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Y		1-5, 12, 17-20												
Y	US 6,186,966 B1 (GRIM et al) 13 February 2001 (13.02.2001), See column 12, lines 54 & 60-61.	1-5, 12, 17-20												
A	US 4,621,624 A (RAYBOY) 11 November 1986 (11.11.1986), See figures 1-3.	1, 6, 10, 14, 17												
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.														
<table border="0"> <tr> <td colspan="2">* Special categories of cited documents:</td> </tr> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"B" earlier application or patent published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			* Special categories of cited documents:		"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
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"P" document published prior to the international filing date but later than the priority date claimed														
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